

EC 278/2009 EcoDesign Test Report

EUT:


TPC 120-148

Manufacturer No:

traco sample

230VAC High Line						
Summary	Unit	User ID				
Unit Type	120PSC185	KB				
Input Voltage	[VAC]	230				
Nominal output current	[A]	2.5				
Nominal Output Voltage	[V]	48				
Nominal O/P Power	[W]	120				
Burn In Time	[min]	1				
Load Condition		1	2	3	4	5
Percentage of nominal output current		100.00%	75.00%	50.00%	25.00%	0.00%
RMS output current	[A]	2.447	1.856	1.200	0.610	0.000
Load Condition	[%]	97.86	74.22	48.01	24.41	0.00
RMS output voltage	[V]	48.043	48.051	48.058	48.064	48.124
Active output power	[W]	117.543	89.159	57.680	29.325	0.000
RMS input voltage	[V]	230.197	230.220	230.246	230.265	230.300
RMS input power	[W]	130.738	98.791	64.383	33.664	0.358
Total harmonic distortison THD	[%]	169.07	177.94	188.71	197.38	7.59
True PFC	[%]	50.00	47.60	44.40	39.60	1.20
Power consumed	[W]	13.195	9.632	6.703	4.339	0.358
Efficiency	[%]	89.91	90.25	89.59	87.11	
Average Efficiency (1-4)	[%]	89.21				
Min required efficiency	[%]	87.00				
Standby Power Loss	[W]	0.358				
Allowable Standby Power Loss	[W]	0.500				

Percentage of nominal output current	
Load Condition 1	100.00%
Load Condition 2	75.00%
Load Condition 3	50.00%
Load Condition 4	25.00%
Load Condition 5	0.00%

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Iss	Change	Date	Name		

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TPC 120-148

Manufacturer No:

traco sample

115VAC Low Line						
Summary	Unit	User ID				
Unit Type	120PSC185	KB				
Input Voltage	[VAC]	115				
Nominal output current	[A]	2.5				
Nominal Output Voltage	[V]	48				
Nominal O/P Power	[W]	120				
Burn In Time	[min]	1				
Load Condition		1	2	3	4	5
Percentage of nominal output current		100.00%	75.00%	50.00%	25.00%	0.00%
RMS output current	[A]	2.447	1.855	1.200	0.609	0.000
Load Condition	[%]	97.87	74.19	47.99	24.37	0.00
RMS output voltage	[V]	48.045	48.066	48.074	48.081	48.139
Active output power	[W]	117.555	89.156	57.677	29.295	0.000
RMS input voltage	[V]	115.030	115.071	115.130	115.070	115.135
RMS input power	[W]	133.510	100.250	64.437	32.928	0.247
Total harmonic distortson THD	[%]	146.21	156.85	169.57	183.10	19.42
True PFC	[%]	55.00	52.30	49.50	46.20	1.90
Power consumed	[W]	15.955	11.094	6.760	3.633	0.247
Efficiency	[%]	88.05	88.93	89.51	88.97	
Average Efficiency (1-4)	[%]	88.86				
Min required efficiency	[%]	87.00				
Standby Power Loss	[W]	0.247				
Allowable Standby Power Loss	[W]	0.500				

Percentage of nominal output current	
Load Condition 1	100.00%
Load Condition 2	75.00%
Load Condition 3	50.00%
Load Condition 4	25.00%
Load Condition 5	0.00%

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